

## SURFACE PREPARATION PRODUCTS

# VpCI®-416



## PRODUCT DESCRIPTION

VpCI®-416 is a heavy-duty water-based alkaline cleaner and degreaser offering unique flash corrosion protection. VpCI®-416 can provide corrosion protection for up to 6 months during indoor storage. VpCI®-416 is formulated to meet the requirements for cleaning and corrosion protection of parts and stored equipment. VpCI®-416 penetrates to remove greases and oil deposits from machinery, engines, vehicles, construction equipment, and cranes in either industrial or marine applications.

VpCI®-416 can be metered into power washers, steam cleaners, dip tanks, and other cleaning equipment. Along with good detergent properties, VpCI®-416 is hard water stable.

While most cleaning compounds available on the market today are simple blends of surfactants and detergents which limit their cleaning effectiveness, VpCI®-416 offers improved cleaning plus multimetal corrosion protection action in one step, resulting in significant savings. VpCI®-416 can aid in the removal of grease, drawing and buffing compounds, machining fluids, and other hydrocarbon deposits.

## FEATURES

- Heavy-duty cleaning and degreasing functionality
- Multimetal inhibition protects ferrous metals, yellow metals, and aluminum
- Provides exceptional resistance to pitting corrosion

- Non-toxic, non-corrosive, and does not contain nonylphenoethoxylates
- Mild foaming
- Hard water tolerant
- Recovers completely after freeze-thaw cycle in storage

## EFFECTIVE USES

- Cleaning oil-contaminated machinery and parts
- Removing protective oils prior to painting, pickling, or machining
- Protecting parts during dry storage (when used in rinse tanks)
- Works well in multiple-stage parts washers

## VpCI®-416 DILUTION RATIO CHART

	Volume VpCI®-416 (US) per gallon water	Volume VpCI®-416 (Metric) per liter water	Dosage (%)
Light Cleaning	6.4 ounces (~3/4 cup)	50ml	5
Medium Cleaning	12.8 ounces (~1.5 cups)	100ml	10
Heavy Cleaning	25.6 ounces (~3 cups)	200ml	20

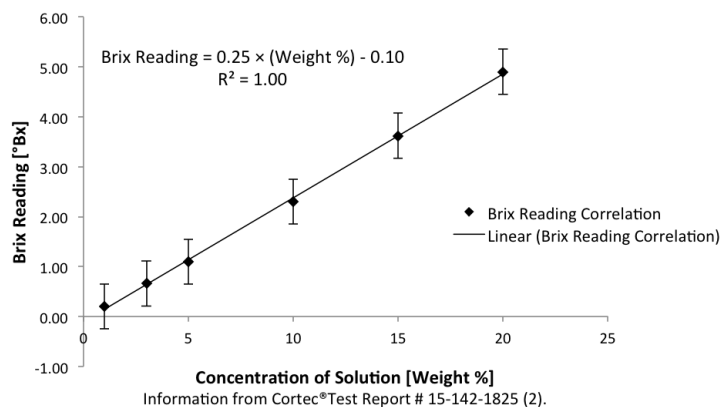
## PROPERTIES

Appearance	Slightly hazy yellow liquid
Exposure Time	20 seconds to 5 minutes
pH	12-12.7(Neat)
Density	8.6-8.8 lb/gal (1.03-1.05 kg/l)
Temperature Range	50°-300°F (10°-149°C)
Non-volatile Content	18-23%

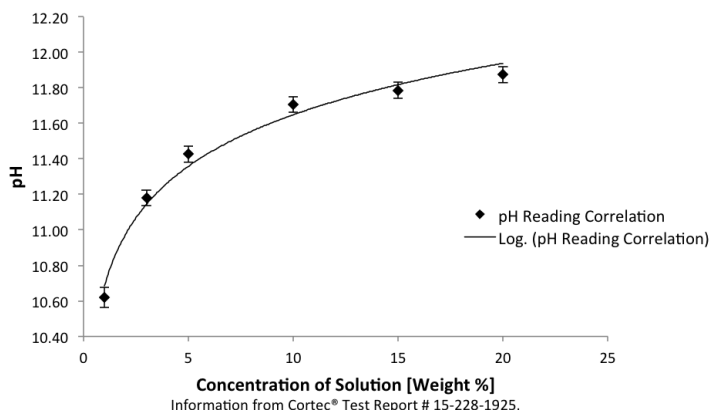
## PACKAGING

VpCI-416 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

### Brix Reading Correlation (VpCI®-416)



### pH Calibration (VpCI®-416)



Please note the solutions used above were created using deionized water. Slight differences in water chemistry (dissolved solids, hardness, etc.) may lead to differences in readings. Please use these numbers as reference only. Contact Cortec® Technical Service with any questions.

**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT SAFETY DATA SHEET FOR MORE INFORMATION**

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